

THE COUNCIL FOR TOBACCO RESEARCH-U.S.A., INC.

110 EAST 50TH STREET
NEW YORK, N.Y. 10022
(212) 421-8885

AUG 27 1974

Date: July 22, 1974

Application for Research Grant
(Use extra pages as needed)

1. Principal Investigator (give title and degrees):

Gary D. Friedman, M.D., M.S. Senior Epidemiologist

Co-Investigators:

Carl C. Seltzer, Ph.D., Senior Research Associate, Harvard School of Public Health
A.B. Siegelbaum, M.S., Biostatistician

Loring G. Lyles, M.D., M.P.H., Epidemiologist

2. Institution & address:

Department of Medical Methods Research
Kaiser Foundation Research Institute

3779 Piedmont Avenue
Oakland, California 94611

3. Department(s) where research will be done or collaboration provided:

Medical Methods Research

4. Short title of study:

Characteristics of Smokers and Nonsmokers

5. Proposed starting date: February 1, 1975

6. Estimated time to complete: Continuation for at least one year

7. Brief description of specific research aims:

This is a request for support to continue our studies under Grant #787. Since we have already submitted information concerning items 7-13 in previous proposals and progress reports this proposal will focus on our plans and goals for the proposed renewal year.

One of our goals, of course, will be to bring to a successful conclusion, those projects and analyses that are currently in progress and are listed in the accompanying Progress Report No. 5. These include studies of smoking and chest pain, differences between pipe and cigar smokers, body build in smokers and non-smokers, the relationship of blood pressure to smoking and race, and, as described, the conversion of our 1968-1973 multiphasic data to a format compatible with the 1964-1968 data we have been using. Some of these goals may be completed by the end of this year. We also plan to begin a study of the relation of smoking to onset of puberty (as judged by age at menarche and age when started shaving). While this will begin this year it will probably require additional time to complete.

When the 1964-1973 data are ready for analysis we plan to carry out longitudinal studies. One aspect of these studies would be an effort to learn more about factors affecting changes in smoking habits. For example, we shall have persons who persisted in their smoking habit over several years, persons who quit temporarily or intermittently and people who quit and did not resume smoking while under observation. It will be most interesting and worthwhile to compare the initial characteristics of these three groups while they were all smokers. Did one group smoke more than another? Were there differences in alcohol consumption, educational level or in answers to psychological questions? What are the characteristics that predict who will and who will not quit smoking? A similar analysis can be made on persons who are initially nonsmokers but who either do or do not become smokers.

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The other major area of longitudinal study that we plan to undertake is an assessment of the effect of changes in smoking habits on the characteristics we have already studied on a cross-sectional basis. We have attempted to look at changes in some of these characteristics with changes in smoking habit in our present data (e.g., in our leukocyte count and serum chemistry test.papers) but we have been troubled by small numbers of subjects in certain categories and a rather short mean interval (about 1½ years) between our first and second assessment. In the nine-year data to be assembled these problems should be greatly alleviated. Of course, one of the main reasons for being so concerned about the effects of changes in habits is that this provides important additional information to help determine whether smoking is related to the characteristics we have been studying in a causal or non-causal fashion.

In summary, then, during the proposed continuation year we would complete some of our present cross-sectional studies and begin to carry out longitudinal analysis both of factors predictive of changes in smoking habits and characteristics affected by changes in smoking habits.

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Budget 2/1/75 - 1/31/76

Salaries (give names or state "to be recruited")

Professional (give % time of investigator(s)
even if no salary requested)

Gary D. Friedman, M.D.,M.S.
Carl C. Seltzer, Ph.D.
A.B. Siegelaub, M.S.
Loring G. Dales, M.D.,M.P.H.

% time

Amount

	Salary	Fringe	Total
20%	\$ 7,620	\$1,320	\$ 8,940
20%	5,700	-	5,700
30%	7,180	1,240	8,420
20%	5,180	900	6,080

Technical

Programmers (2)
Clerk Typist

200%	29,200	5,050	34,250
75%	7,100	1,230	8,330

Total

71,720

Sub-Total for A \$ 71,720

B. Consumable supplies (by major categories)

Office supplies and copying

980

Sub-Total for B 980

C. Other expenses (itemize)

Travel by Dr. Seltzer, Boston - Oakland
(3 trips)
Travel to scientific meetings (4 trips)
Data processing
Keypunching

2,100
2,000
20,000
500

Sub-Total for C 24,600

Running Total of A + B + C 97,300

D. Permanent equipment (itemize)

None

Sub-Total for D -

E 14,600

Total request \$ 111,900

E. Indirect costs (15% of A+B+C)

Estimated future requirements:

Salaries	Consumable Suppl.	Other Expenses	Permanent Equip.	Indirect Costs	Total
for 2					
for 3					

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6. Other sources of financial support:

List financial support from all sources, including own institution, for this and related research projects.

CURRENTLY ACTIVE

Title of Project	Source (give grant numbers)	Amount	Inclusive Dates
Sudden Cardiac Death and Myocardial Infarction	NIH-NHLI-71-2477	\$ 39,650	6/16/74 - 6/14/75
Risk Factors for Stroke	NIH-NINDS-72-2319	31,310	6/14/73 - 12/31/74
Epidemiologic Study of Colon Cancer in Blacks	NIH-NCI-E-731-3213	26,415	12/1/73 - 11/30/74
Maternal X-ray Exposure	NO1 - CP - 43283	38,260	2/17/74 - 2/18/75
Multiphasic Evaluation Study	1 RO1 HS01486-01	168,700	5/1/74 - 4/30/75

PENDING OR PLANNED

Title of Project	Source (give grant numbers)	Amount	Inclusive Dates

I, the investigator and institutional entity applying for a grant have read and accept the "Statement of Policy Containing Conditions Under Which Project Grants Are Made."

No to

as for checks

Principal investigator

Typed Name Gary D. Friedman, M.D.Signature Gary D. Friedman Date July 30, 1974Telephone 415 645-6715
Area Code 415 Number 645-6715 Extension 0

Responsible officer of institution

Typed Name Clifford H. Keene, M.D.Title Director, Kaiser Foundation Research Institute;
President, Kaiser Foundation HospitalsSignature Clifford H. Keene Date 8-14-74Telephone 415 271-2656

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